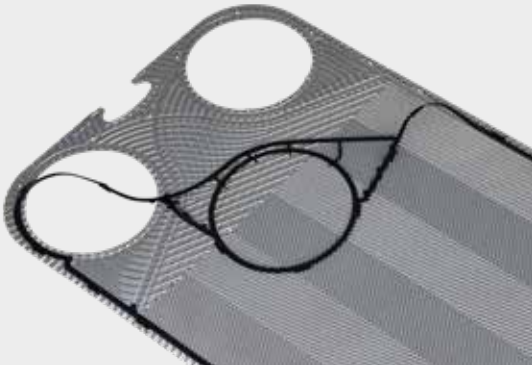

AHRI-certified® Heat Exchangers

AF251, AF252 & AF253

SonFlow offers a wide range of AHRI Certified® plate heat exchangers. The AF series is certified under the AHRI Liquid-to-Liquid Heat Exchangers (LLHE) Certification Program, verifying thermal performance in accordance with AHRI standards.

The AF series provides a reliable and efficient single-pass solution for a wide range of HVAC and industrial applications. Designed for high thermal performance, low pressure drop, and long service life, these heat exchangers offer a cost-effective solution with minimal maintenance requirements.

Typical Applications:

- HVAC-R
- Geothermal
- General industry
- Marine
- Chemical industry
- Sugar industry
- Mining
- Electronics

Key Features:

Every detail is carefully designed to ensure optimal performance, reduced maintenance costs and decreased downtime:

- Compact, space-saving design
- High flexibility
- Gentle product handling
- Design pressure up to 25 bar
- Operating temperature: up to 180° C
- Leak chamber
- Fixed bolt head
- Lifting lug
- Lining
- Lock washer

Benefits:

- Lower operating costs
- Cost-effective
- Easy assembly
- Increased energy efficiency
- Easy cleaning
- Dead spots, that cause corrosion and fouling are eliminated

AHRI Certified® is the trusted mark of performance for heating, air conditioning, water heating, and commercial refrigeration equipment.
To find AHRI Certified products, go to www.ahridirectory.org.

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Construction

The robust frame construction ensures reliable operation and allows easy inspection, maintenance, and future capacity adjustments.

Plates

The plates are designed for efficient heat transfer and optimized flow distribution. Different plate patterns and materials are available to meet various performance and process requirements.

Design pressure:

- Painted frames: 0.6/1.0/1.6/2.5 MPa (87/145/232/362 PSI)

Construction standards:

- EN13445
- ASME sec VIII, Div. 1

Frame:

- Painted frame, RAL 5010 (available in other colours)

Connections:

- DN 250/10" flange in carbon steel, rubber lined or cladded with AISI 316 or titanium
- According to all known standards

Plate material:

- AISI 304/316 and titanium
- Other materials available on request

Gaskets:

- Choose between Hang-on or glued gaskets
- Materials: NBR, EPDM and Viton
- Other materials available on request

Accessories:

- Drip tray
- Insulation jackets
- Safety cover
- Assembling spanner
- Foundation feet

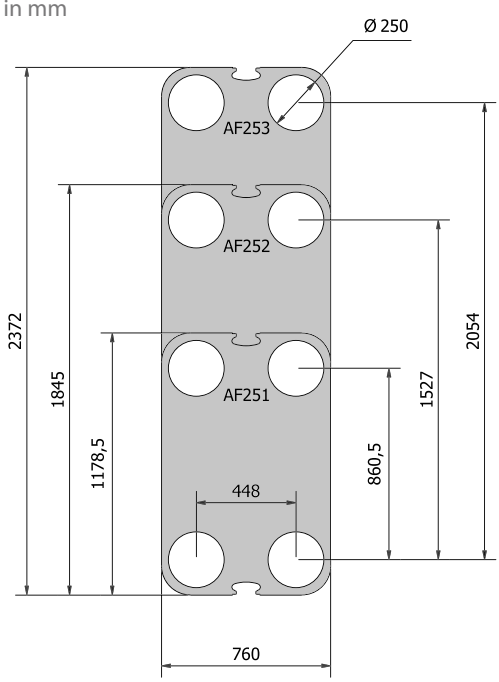
Certificerede products in the AF250 Series

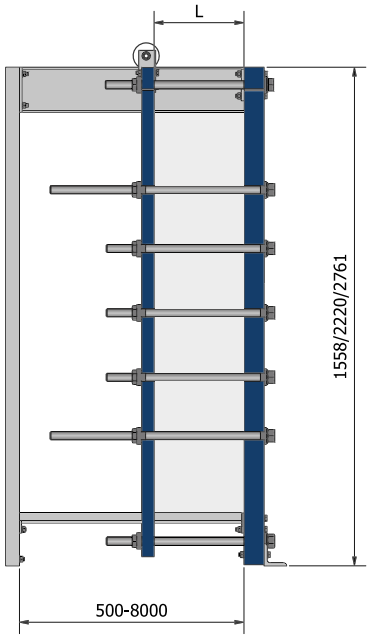
Model	Fluids	AHRI-Ref.
AF251	W, S, PG	217334135
AF251	EG	217336141
AF252	W, S, PG	217334112
AF252	EG	217336148
AF253	W, S, PG	217334105
AF253	EG	217336159

EG = Ethylene Glycol W = Water S = Seawater PG = Propylene Glycol

Dimensional Drawing:

Dimensions in mm





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SonFlow A/S reserves the rights to change the specifications without prior notification.

About SonFlow

SonFlow has developed an optimized and efficient range of plate heat exchangers, based on more than 45 years of experience. Our product line includes traditional, free flow, sanitary, condenser/evaporator, and brazed plate heat exchangers. All our plate heat exchangers are customized to meet specific temperature requirements and capacities, ensuring a solution tailored to your needs - regardless of your industry or process.

Explorer our full range of plate heat exchangers at: www.sonflow.eu

Connect with us:

SonFlow A/S

@SonFlowPumpsPHE

www.Sonflow.eu